RIVERINE HYDRAULICS AND HYDRODYNAMICS

This report provides generally adequate information for use in the EIR/EIS, however much culling down will be required (see mark-ups). It should be noted that most of the information contained in these reports is really supporting documentation for fisheries and other analyses. CEQA and NEPA do require analyses of changes in flows and water quality; that information should be summarized for the EIR/EIS section, and the remainder of the information placed in appendices. The Affected Environment summary section should be expanded to summarize the results of the extensive modeling described in the report. Much of the historic perspective section has little to do with historic development but rather is current conditions, and should be integrated into the appropriate subsections. The Impacts section summary is adequate for use as the EIR/EIS section. There are some conflicts between the significance criteria presented in the summary and those presented in the text. These should be made consistent and should be logically supported. Should the body of the technical report be used for the EIR/EIS, most of the tables and figures should be moved to an appendix. The vague mitigation strategies should be made more specific so as to provide direction to implementable mitigation and allow for some level of monitoring and enforcement.

C-004324

Conformance to Outline

Riverine Hydraulics and Hydrodynamics

Affected Environment

- Missing Section 4.8 in TOC. In report this section is there, but brief. It needs more explanation.

Environmental Consequences

- Does not follow outline for Section 5.3

REVIEW COMMENTS
CALFED BAY-DELTA PROGRAM PEIS TECHNICAL REPORTS
RIVERINE HYDRAULICS AND DELTA HYDRODYNAMICS

AFFECTED ENVIRONMENT

No.	Page/Para	Comment
1	1	Summary section needs to be expanded to summarize the hydrodynamics and hydraulics discussed in the following 50 pages.
2	3	Move Table 3.1-1 to Section 4.4-2.
3	6-8	Move CVPIA flow requirement discussion to a table.
4	13	Much of the "Historic" discussion isn't about historic development but rather is current conditions. Should be moved to the Current Conditions section if it's not already there.
5	14	Add a brief discussion summarizing the differences between the various inflow/pumping conditions addressed here.
6	16-18	Move these figures to appendix.
7	19, Sec. 4.4.2.2	Reference to Figure 4.4-2 should be 4.4-3.
8	20, 24	Tables 4.4-2 and 4.4-3 are reversed.
9	29	Page is missing from my copy.
10	31, sec. 4.6.1.1	Most of this information isn't historic; needs to be merged with "Current Resource Conditions" discussion, as appropriate.
11	42, sec. 4.7.1	Most of this information isn't historic; needs to be merged with "Current Resource Conditions" discussion, as appropriate.
12	43, sec. 4.8	Need to explain why SWP and CVP service areas aren't studied (or important here).

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ENVIRONMENTAL IMPACTS/ CONSEQUENCES

No.	Page/Para	Comment
1	1	General comment: For the EIR/EIS, this summary would be generally adequate to serve as the Impacts section, with the remainder of the report going to an appendix. However, I have edited the remainder of the report as a longer EIR/S section.
2	3-6	Move significance criteria descriptions to legend of table 2.1-1.
3	7	Identify any substantial difference in impacts between Alternatives 1A, B., C.
4	10	General comment: per CEQA, these and all other vague "mitigation strategies" are not acceptable; need to be rewritten as definite policies that allow some level of monitoring and enforcement. These "strategies" don't actually assure any sort of mitigation. Need more specifics on mitigation (i.e. bullet items) in summary.
5	10-25	For EIR/S, move entire "Methodology" section to appendix.
6	26	The summary has more detailed significance criteria than the text: these need to be reconciled.
7	34, 36, 43, 44, 45, 48, 49, 50	
		Move these figures to an appendix (or delete them).
8	52, bottom	Briefly describe outflows of other alternatives here.
9	64-67	Move these tables to an appendix.
10	71	Reorganize to discuss impacts of each alternative on each topic sequentially (for example, under flow, velocity, and stage, sequentially describe alternatives 1, 2, and 3 impacts).
11	72-74	Move these figure to an appendix (or delete them).
12	76	Why is Alternative 2B discussed before 2A - reverse order.
13	77-79	Move these figures to an appendix (or delete them).
14	82-84	Move these figures to an appendix (or delete them).
15	93-95	Move these figures to an appendix (or delete them).
16	124	Merge discussions of Alternatives 2, 3 into these discussions.
17	126-128	Move these tables to an appendix.
18	131-135	Move these figures to an appendix.